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# References

TCR SR 180

August 2004

## Local Jurisdictions – MPOs:

### **Council of Fresno County Governments (COFCG)**

2100 Tulare Street, Suite 619  
Fresno, CA 93721  
(559) 233-4148

### **Tulare County Assoc. of Governments (TCAG)**

Resource Management Agency  
5961 S Mooney Boulevard  
Visalia, CA 93227  
(559) 733-6291

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## Air Quality District:

### **San Joaquin Valley Air Pollution Control District**

1990 E Gettysburg Avenue  
Fresno, CA 93726  
(559) 230-6000

## Air Basin: San Joaquin Valley

### **Air Basin Determination:**

Severe non-attainment for ozone and serious for PM<sup>10</sup>. Contact the Air District for more information.

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## Transit Services:

For inquiries on transit services, please contact the respective MPO (listed above) for more information or refer to the Transit Services sheet in the Appendix for an overview of various transit services.

## Traffic Accident Data:

Caltrans District 6  
Office of Traffic Investigations  
(559) 488-4123

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## Sources of Information - All Segments:

Traffic Congestion Relief Program, 2000  
State Transportation Improvement Program (STIP),  
1998, 2000, 2002  
State Highway Operations and Protection Program  
(SHOPP), 1998, 2000, 2002

Interregional Improvement Track-Interregional Road  
System Plan (ITSP), 1998, 2000  
Caltrans District 6 Bicycle Survey, 2003  
Office of System Planning (559) 444-2500

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## Sources of Information - By County:

### **Fresno County:**

Fresno County General Plan, 2000  
Fresno County Regional Transportation  
Plan, 2001

### **Tulare County:**

Tulare County General Plan, 2000  
TCAG Regional Transportation Plan, 2001

## **Glossary of Terms Transportation Concept Report**

**AADT:** (Average Annual Daily Traffic). This designation indicates the total daily traffic that is counted at a particular location or within a particular highway segment and then averaged out over one calendar year.

**Access Control (or Controlled Access):** The condition where the ability to access a state highway by owners or occupants of abutting land is fully or partially controlled by public authority. Also, see Classification of Roads.

**Bicycle Facilities:** Bicycle facilities within the state are classified into four categories:

- **Class 1 Bikeways (Bike Paths):** Bike Paths are separate *off-highway* facilities for the exclusive use of bicyclists and with cross flow by motorists minimized.
- **Class 2 Bikeways (Bike Lanes):** Bike Lanes are for preferential use by bicyclists and can be established within the paved area of state highways. Such facilities are approved by, and subsequently maintained by, local jurisdictions and/or Caltrans. Bike lanes are separated from traffic lanes on California highways by the use of a painted stripe on the pavement and are designated as bike lanes by the use of white R81 (Bike Lane), R-81A (Begin) and R81-B (End) "regulatory" signs.
- **Class 3 Bikeways (Bike Routes):** Bike Route are shared facilities which serve either to (a) provide continuity to other bike facilities (usually a Class 1 or Class 2 bikeway); or (b) to designate a preferred route through a high demand corridor. Such facilities are approved by, and subsequently maintained by, local jurisdictions and/or Caltrans. Bike Routes are not separated from traffic lanes but are designated as bike routes through the use of green G93 (Bike Route), G93A (Begin) and G93B (End) "guide" signs.
- **Shared Roadway (No Bikeway Designation):** Most bicycle travel on conventional state highways and streets occurs on facilities without any bikeway designations, signs or striping. Virtually all highways in use by bicyclists for inter-city and recreational travel fall under this "share-the-road" scenario.

**CMS:** (Changeable Message Sign). A CMS is a full-matrix display sign used on State highways to provide motorists with an advanced warning of major highway incidents and route diversion information. CMSs are capable of displaying a variety of character heights and up to three lines of text. CMSs play increasingly important roles on State highways by improving operations and safety.

### **Classification of Roads:**

- **Conventional (C):** A highway without access control, which may or may not be divided. Grade separations at intersections or access control may be used when justified at spot locations. Example: 2C = 2 lane conventional highway.
- **Expressway (E):** An arterial highway with at least partial control of access, which may or may not be divided or have grade separations at intersections. Example: 4E = 4 lane expressway (note: 2 lane expressways are not common).
- **Freeway (F):** A divided highway to which the owners of abutting lands have no right or easement of access to or from their abutting lands. Access is controlled or restricted to interchanges and with grade separation at all intersections. Example: 6F = 6 lane freeway.
- **Functional Classification:** Guided by Federal legislation, functional classification refers to a process by which streets and highways are grouped into classes or systems, according to the character of the service that is provided, e.g., Principal Arterial, Minor Arterial, Collector, Local, etc.

### **Contract Phasing:**

- **Begin Construction:** This is the phase when the contract for construction is approved and construction begins.
- **Complete Construction:** This is the phase when the completion of the construction contract occurs.

**COG:** See RTPA

## **Glossary of Terms Transportation Concept Report**

**CTC:** (California Transportation Commission). The California Transportation Commission (CTC) was established in 1978 by Assembly Bill 402 (Chapter 1106, Statutes of 1977) out of a growing concern for a single, unified California transportation policy. The Commission is responsible for the programming and allocating of funds for the construction of highway, passenger rail and transit improvements throughout California. The Commission also advises and assists the Secretary of Business, Transportation and Housing Agency and the Legislature in formulating and evaluating state policies and plans for California's transportation programs. The Commission is also an active participant in the initiation and development of State and Federal legislation that seeks to secure financial stability for the State's transportation needs.

**Density:** The number of vehicles occupying a given length of lane or roadway averaged over time, usually expressed as vehicles per mile or vehicles per mile per lane. Also see **V/C**.

### **Facility:**

- **Concept Facility:** A highway facility type and characteristic considered viable without improvement within the 25 year planning period given financial, environmental, planning and engineering factors.
- **Present Facility:** Highway type and general characteristics in place at the time of the development of a TCR.

**FTIP:** See Project Programming

**ICES:** (Intermodal Corridor of Economic Significance). Significant National Highway System Corridors that link intermodal facilities most directly, conveniently and efficiently to intrastate, interstate, and international markets.

**ITMS:** (Intermodal Transportation Management System). A performance-based decision support system operating on a personal computer which allows "alternatives analysis" through the use of performance measures. ITMS incorporates intermodal system elements for freight and person movements using a spatial and attribute database thereby allowing management of transportation systems under existing and forecasted conditions. ITMS provides a new intermodal-planning tool using a common statewide data set for state and local transportation planners.

**ITS:** (Intelligent Transportation Systems). ITS refers to a wide variety of tools and techniques that focus on addressing transportation problems by improving the efficiency and safety of the existing transportation infrastructure. ITS works through the integration of high tech computing and information sharing.

**ITSP:** (Interregional Transportation Strategic Plan). The ITSP is a single document prepared by Caltrans to consolidate and communicate key elements of its ongoing long and short range planning. The ITSP serves as a counterpart to the Regional Transportation Plans (RTPs) prepared by the 43 Regional Transportation Planning Agencies (RTPAs) in California.

**KP:** (Kilo Post) See Post Mile

**Lifeline Routes:** See Route Designations

**LOS:** (Level of Service). A general term that describes the operating conditions a typical driver will experience on a typical day while driving on a particular facility. LOS is determined by the vehicle delay and volume/capacity (v/c) ratio which is expressed by a series of letter grades from A, (low v/c ratio and delay, no impediments) through F (extremely high v/c ratio and delay, gridlock conditions).

**MIS:** (Major Investment Study). When the need for a major metropolitan transportation investment is identified and Federal funds are potentially involved, a major investment (corridor or sub-area) study is undertaken to develop or refine the plan. Upon completion, the MIS aids the area's Metropolitan Planning Organization (MPO), in cooperation with any participating agencies, on the design concept and scope of the investment.

**MPO:** See RTPA

## **Glossary of Terms Transportation Concept Report**

**Multi-Modal:** Pertaining to the use of more than one mode of travel such as private vehicles, taxis, bicycles, mass-transit, para-transit, light and heavy rail, ferries, airplanes etc.

**NHS:** See Route Designation

**NTN:** See Route Designation

**Non-attainment (pertaining to air quality):** Identifies non-attainment status for CO (carbon monoxide), Ozone, and PM (particulate matter) within the subject air basin.

**Overcrossing:** (O/C) See Structures, Types of

**PM:** (MilePost Marker, Postmile or KP (Kilo Post). An 8" x 48" metal post marker along a State highway indicating a location using the postmile or designation. This is the distance in miles (or kilometers, in the case of Kilo Post measurements) that the given location is from the county line measuring from the south to the north or from the west to the east. Postmiles ascend in the northerly and easterly directions as determined by the route. The PM marker also includes an abbreviation for the County wherein its located (i.e., in Caltrans District 6: FRE = Fresno, KER = Kern, KIN = Kings, TUL = Tulare, MAD = Madera). As such, a PM marker located along SR 99 and displaying "MAD" and "6.25" would indicate that you are currently located in Madera County at a point 6.25 miles north of the Fresno/Madera County Line.

**PROJECT PROGRAMMING:** Separate programming documents prepared and adopted for somewhat different purposes, are required under State and Federal law. Transportation programming is the public decision making process that sets priorities and funds projects envisioned in long range transportation plans. It commits expected revenues over a multi-year period to transportation projects. Programming schedules high priority capital outlay projects for development and implementation. Programming documents include Federal, State, Regional and Metropolitan Transportation Plans, e.g., FTIP, ITIP, RTIP, SHOPP, STIP.

- **FTIP:** (Federal Transportation Improvement Program). To apply for federal highway funding a Federal statute requires MPOs to complete a Transportation Improvement Program. The MPO prepares the FTIP in cooperation with its member agencies (cities), its transit operators, State and Federal agencies, and with public involvement. The FTIP must by law be financially constrained and include a financial plan that demonstrates how projects can be implemented while the existing transportation system is being adequately operated and maintained. The FTIPs are in actuality a listing of planned Federally funded capital improvements to the regions' transit systems along with associated Federal operating assistance program and Federal Statewide Transportation Improvement Program (FSTIP).
- **ITIP:** (Interregional Transportation Improvement Program). The ITIP is Caltrans' equivalent to the RTIP (Regional Transportation Improvement Program) and consists of STIP projects funded from the Interregional Program share, which is 25% of new STIP funding. Caltrans' ITIP may nominate projects to the STIP only for the Interregional Program. The ITIP should be based on a Strategic Plan for implementing the Interregional Program. The ITIP should describe how proposed projects relate to the Strategic Plan and how the Strategic Plan would implement the California Transportation Commission's objectives. The ITIP includes both State highway and rail projects (potentially including mass transit guideway and grade separation projects).
- **PSR:** (Project Study Report). A pre-programming document required for project inclusion in the STIP.
- **PSSR:** (Project Scope Summary Report). An engineering report used to select candidate projects to be programmed in the State Highway Operation Protection Program (SHOPP). SHOPP funds are used primarily for rehabilitation, resurfacing and safety projects on State highways.
- **RTIP:** (Regional Transportation Improvement Program). After consulting with Caltrans, each Regional Transportation Planning Agency (RTPA) and/or County Transportation Commission (CTC)

## Glossary of Terms

### Transportation Concept Report

must prepare and submit an RTIP for regions with urbanized areas. Some urbanized RTPAs coincide with the Federal Metropolitan Planning Organizations (MPOs). Each regional agency is required to adopt and submit its RTIP to the CTC and to Caltrans. The CTC will utilize the RTIP to consider projects to be included in the State Transportation Improvement Program (STIP). The funds are available for a broad array of transportation improvement projects, including improving State highways, local roads, public transit, inter-city rail, pedestrian and bicycle facilities, grade separations, transportation system management, transportation demand management, soundwalls, etc.

- **SHOPP:** (State Highway Operation Protection Program). The SHOPP is a four-year program limited to projects related to State highway safety and rehabilitation. SHOPP funds are for major transportation capital improvements that are necessary to preserve and protect the State highway system. The SHOPP does not include projects that increase capacity. Most of the projects are for pavement rehabilitation, bridge rehabilitation, and traffic safety improvements. Other projects may include such things as operational improvements (e.g., traffic signalization) and roadside rest areas. Caltrans alone has full control of SHOPP funds.
- **STIP:** (State Transportation Improvement Program). Under California law, the STIP and SHOPP (State Highway Operations Protection Program) are the two primary documents through which the CTC commits and allocates funds to particular projects. In the year 2000 and thereafter, the STIP will be a four year plan with updates every two years. The STIP is a capital improvement program of transportation projects funded with revenues from the State Highway Account and other sources on and off the State highway system. The STIP includes a list of transportation projects, proposed in two broad programs, the regional program funded with 75% of new STIP funding and the interregional program funded from 25%. The STIP has two main funding components: the RIP (Regional Improvement Program), prepared by RTPAs and the IIP (Interregional Improvement Program) prepared by Caltrans.

**ROW:** (Right-of-Way). Denotes the *total* width allocated for a highway, including shoulders and adjacent land.

**RCR:** See TCR

**Route Designations:** Identifies whether or not the subject segment of a route is designated as being part of a system. Examples of systems include Freeway/Expressway System, Highways of Regional Significance, Interregional Highway System (IRRS), National Highway System (NHS), National Truck Network (NTN), and Terminal Access Route for the National Truck Network, Scenic Highway, or Strategic Highway Network (STRAHNET).

- **Freeway/Expressway System:** The Statewide system of highways declared by the Legislature to be essential to the future development of California. The F&E System has been constructed with a large investment of funds for the ability of control access, in order to ensure the safety and operational integrity of the highways.
- **IRRS:** (Interregional Road System) Caltrans developed an Interregional Road System Plan that identified projects which will provide the most adequate interregional road system to all economic centers in the State. IRRS is a series of Interregional State highway routes, outside the urbanized areas, that provide access to, and links between, the State's economic centers, major recreational areas, and urban and rural regions. Due to the high number of routes and capacity improvements needed on the IRRS, the most critical IRRS routes were identified as *High Emphasis Routes*. High Emphasis Routes are a priority for programming and construction and are critically important to interregional travel and the State as a whole. *Focus Routes* are a subset of the High Emphasis Routes. These routes represent 10 IRRS corridors that should be of the highest priority for completion to minimum facility standard in the 20 year period.
- **Lifeline Routes:** (Earthquake Emergency Response) A Lifeline Route is a route on the State highway system that is deemed so critical to emergency response/life-saving activities of a region or the state that it must remain open immediately following a major earthquake, or for which pre-planning for detour and/or expeditious repair and reopening can guarantee through-movement.

## **Glossary of Terms Transportation Concept Report**

The focus is on highly critical routes that allow for the immediate movement of emergency equipment and supplies into a region or through a region.

- **NHS:** (National Highway System) The purpose of the NHS is to provide an interconnected system of principal arterial routes which will serve major population centers, international border crossings, ports, airports, public transportation facilities and other intermodal transportation facilities. Additionally, such highways meet National defense requirements and serve to facilitate interstate and interregional travel. The NHS consists of 155,000 miles, (plus or minus 15 percent), of the major roads in the U.S. Included in the NHS are all interstate routes, a large percentage of urban and rural principal arterial, the defense strategic highway network, and strategic highway connectors.
- **NTN:** (National Truck Network) A list of truck route segments and their truck access designations (such as National Network (NN), Terminal Access, California Legal, Advisory, or Restricted) with each segment's beginning and ending post miles, and beginning and ending cross streets.
- **Regionally Significant:** A transportation corridor that serves regional transportation needs and would normally be included in the modeling of a metropolitan area's transportation network. Such corridors, at minimum, would include all principal arterial highways and all fixed guideway transit facilities located within the region.
- **Scenic Highway:** A highway may be designated scenic depending upon how much of the natural landscape can be seen by travelers, the scenic quality of the landscape, and the extent to which development intrudes upon the traveler's enjoyment of the view. The State Scenic Highway System includes a list of highways that are either eligible for designation as scenic highways or have been so designated. These highways are identified in Section 263 of the Streets and Highways Code. For a highway to be considered *Officially Designated* the local jurisdiction is required to develop and adopt protection measures in the form of ordinances to apply to the area of land within the scenic corridor. Additions and deletions to the list of highways eligible for scenic designation can only be made through legislative action.
- **STAA Truck:** In 1982, the Federal government passed the Surface Transportation Assistance Act (STAA). This act requires states to allow certain longer trucks on a network of Federal highways, referred to as the National Network (NN). A STAA truck is, in many cases, longer than a "California legal" truck, and may operate only on specific highways in California.
- **STRAHNET:** (Strategic Highway Corridor Network) STRAHNET is a National system of public highways that are key elements in U.S. strategic policy. This network provides defense access, continuity, and emergency capabilities for movements of personnel and equipment during both peace time and war. STRAHNET is comprised of about 61,000 miles of highway, including the 45,400-mile system of Interstate and Defense Highways and 15,600 miles of other important public highways. STRAHNET "connectors" (about 1,700 miles) are additional highway routes linking over 200 important military installations and ports to the STRAHNET. Generally, these "connector" routes end at the port boundary or installation gate and are typically used only when moving personnel and equipment during a mobilization or deployment
- **Terminal Access Route:** Terminal Access (TA) routes are portions of State or local highways that Caltrans or a local government granted access to STAA trucks. The purpose of TA routes is to allow STAA trucks (1) to travel between NN routes, (2) to reach a truck's operating facility, or (3) to reach a facility where freight originates, terminates, or is handled in the transportation process.

**RTIP:** See Project Programming

**RTP:** (Regional Transportation Plan) The RTP is a comprehensive 20 year plan for the region, updated every four years by the regional transportation planning agency (RTPA). The RTP includes goals, objectives, and policies and recommends specific transportation improvements.

## **Glossary of Terms Transportation Concept Report**

**RTPA:** (Regional Transportation Planning Agency) The RTPA is an association of city and county governments created to address regional transportation issues while protecting the integrity and autonomy of each jurisdiction. The RTPA serves as the forum for cooperative decision making by principal elected officials of general local government and is responsible for the preparation and adoption of a Regional Transportation Improvement Program (RTIP). There are 43 RTPAs in California. In smaller counties, usually the County Transportation Commission; in urban counties, usually the Metropolitan Planning Organization (MPO) is the RTPA. RTPAs produce the RTIPs for the approval of the California Transportation Commission (CTC).

- **MPOs and COGs:** RTPAs can be an MPO (Metropolitan Planning Organization) or a COG (Council of Governments) or all three. Some COGs also serve as MPOs, under Federal transportation rules, and this designation carries considerable power in allocating Federal and State funds for transportation projects. For example, Fresno COG is the MPO for Fresno County.

According to U.S. Code, an MPO is the organization designated by the governor and local elected officials as responsible, together with the State, for preparing a comprehensive transportation plan for both highway and transit modes, with long range (10 – 20 years) and shorter range (five year) elements in an urbanized area (population 50,000 or greater). The major role of the MPO is to foster inter-governmental communications and cooperation, undertake comprehensive regional planning with an emphasis on transportation, provide for citizen involvement in the planning process and provide technical services to the member agencies. MPOs are created by elected officials of counties and their incorporated cities as a means of providing a cooperative body for the discussion and resolution of issues that go beyond their individual boundaries.

State and Federal laws encourage such efforts. In each of these areas, MPOs act as a consensus-builder to develop an acceptable approach on how to handle problems that do not recognize jurisdictional boundaries.

**Route Numbering:** South-north state and interstate routes normally carry odd number designations (e.g. I-5, SR 43, SR 99 etc.) while west-east routes normally carry even number designations (e.g. I-10, SR 58, SR 168 etc.).

**R/U:** (Rural or Urban location) Areas designated as rural are those lying outside the U.S. Census urban area boundary with a population less than 2,500 (less than 5,000 population for Federal Aid highway purposes). Areas designated as urban are those lying inside the U.S. Census urbanized boundary.

**Scenic Highway:** See Route Designation

**Separation:** See Structures, Types of

**SHOPP:** See Project Programming

**SR:** (State Route) Highways within the State which are distinctively designed to serve intrastate and interstate travel.

**STAA:** See Route Designation

**STIP:** See Project Programming

**STRAHNET:** See Route Designation



## **Glossary of Terms Transportation Concept Report**

### **STRUCTURES, Types of**

- **Overcrossing:** (O/C) A configuration where the State highway crosses below the grade of a local road.
- **Separation:** (Sep) A configuration where a State highway crosses over a State highway.
- **Undercrossing:** (U/C) A configuration where a State highway crosses above the grade of a local road.
- **Underpass:** A configuration where the State highway crosses below the grade of a railroad line.

**TCR:** (Transportation Concept Report) Formerly called a Route Concept Report or RCR, this document analyzes a transportation corridor service area, establishes a 20 year transportation planning concept, and identifies modal transportation options and applications needed to achieve the 20 year concepts.

**TCRP:** (Traffic Congestion Relief Program) The TCRP was enacted as part of AB 2928 (2000). Through the TCRP, the Governor and Legislature allocated \$4.9 billion for projects to relieve congestion, provide safe and efficient movement of goods, improve intermodal connectivity, and make further investments in transit and rail facilities within the State.

**Undercrossing:** See Structures, Types of

**Underpass:** See Structures, Types of

**UTC:** (Ultimate Transportation Corridor) Highest predictable build-out beyond 20 years.

**V/C:** (Volume/Capacity ratio) A ratio of demand flow rate (volume) to capacity for a traffic facility. Also see Density.

## SR 180 – ITS\*

Traffic Monitoring Stations/Ramp Metering Locations  
Closed Circuit Television Locations (CCTV)/Changeable Message  
Sign (CMS) Locations

### Traffic Monitoring Stations

Existing and Proposed  
Status December 2003

EXISTING TRAFFIC MONITORING STATIONS					
Element Type	County	Route	Post Mile	Location	Status
D6TMS	FRE	180	57.07	AT BROADWAY	Existing
PROPOSED TRAFFIC MONITORING STATIONS					
Element Type	County	Route	Post Mile	Location	Status
D6TMS	FRE	180	9.00	E OF RTE 5	Proposed
D6TMS	FRE	180	22.20	E OF RTE 33	Proposed
D6TMS	FRE	180	42.63	E OF RTE 145	Proposed
D6TMS	FRE	180	57.18	W OF RTE 99	Proposed
D6TMS	FRE	180	63.99	AT SUNNYSIDE AVE	Proposed
D6TMS	FRE	180	64.52	AT ARMSTRONG AVE	Proposed
D6TMS	FRE	180	9.35	AT LOCAN AVE	Proposed
D6TMS	FRE	180	52.48	W OF CORNELIA AVE	Proposed
D6TMS	FRE	180	58.33	W OF FRESNO ST	Proposed
D6TMS	FRE	180	59.90	AT ORANGE AVE	Proposed
D6TMS	FRE	180	60.40	AT CEDAR AVE	Proposed
D6TMS	FRE	180	60.90	AT MAPLE AVE	Proposed
D6TMS	FRE	180	61.90	AT WILLOW AVE	Proposed
D6TMS	FRE	180	62.90	AT MINNEWAWA AVE	Proposed

### **Ramp Metering Locations**

Existing and Proposed  
Status December 2003

<b>EXISTING RAMP METERS</b>					
Element Type	County	Route	Post Mile	Location	Status
D6RMS	FRE	180	57.19	AT FULTON	Existing
D6RMS	FRE	180	57.42	AT VAN NESS	Existing
D6RMS	FRE	180	57.72	AT ABBY AVE	Existing
D6RMS	FRE	180	58.00	AT BLACKSTONE AVE	Existing
<b>PROPOSED RAMP METERS</b>					
Element Type	County	Route	Post Mile	Location	Status
D6RMS	FRE	180	R 55.3	Hughes/West Avenue	Proposed
D6RMS	FRE	180	56.35	Route 99 SB	Proposed
D6RMS	FRE	180	56.4	Route 99 NB	Proposed
D6RMS	FRE	180	56.67	Route 99 SB	Proposed
D6RMS	FRE	180	56.7	Route 99 NB	Proposed
D6RMS	FRE	180	R57.16	Fulton Street	Proposed
D6RMS	FRE	180	R57.74	Black stone Avenue	Proposed
D6RMS	FRE	180	R58.03	Abby Street	Proposed
D6RMS	FRE	180	R58.43	Route 41 NB	Proposed
D6RMS	FRE	180	R58.54	Route 41 SB	Proposed
D6RMS	FRE	180	R58.60	Van Ness/Fulton	Proposed
D6RMS	FRE	180	R58.60	Route 41 NB	Proposed
D6RMS	FRE	180	R59.98	Route 168	Proposed
D6RMS	FRE	180	R59.99	Cedar Avenue	Proposed
D6RMS	FRE	180	T60.68	Cedar Avenue	Proposed
D6RMS	FRE	180	T60.68	Chestnut Avenue SB	Proposed
D6RMS	FRE	180	T60.92	Chestnut Avenue NB	Proposed
D6RMS	FRE	180	T61.72	Peach Avenue	Proposed
D6RMS	FRE	180	T61.92	Peach Avenue	Proposed
D6RMS	FRE	180	T62.72	Clovis Avenue SB	Proposed
D6RMS	FRE	180	T62.92	Clovis Avenue NB	Proposed
D6RMS	FRE	180	T63.12	Clovis Avenue	Proposed
D6RMS	FRE	180	T63.72	Fowler Avenue NB	Proposed
D6RMS	FRE	180	T63.72	Fowler Avenue SB	Proposed
D6RMS	FRE	180	T65.13	Temperance Avenue NB	Proposed
D6RMS	FRE	180	T65.13	Temperance Avenue SB	Proposed

**\*Note:** The 511 system is a new three-digit phone number program to access travel information that is currently being implemented throughout various areas of the country. Caltrans' Reverse Commute Study/Special Studies Branch is working with Traffic Operations and Caltrans' Districts to develop a "California 511 Strategic Development Plan for Rural and Inter-Regional Traveler Information System" to meet the traveler's highway and transit information needs. When fully implemented, 511 will be an easy to remember telephone number.

### **Closed Circuit Television Locations**

Existing and Proposed  
Status December 2003

<b>EXISTING CCTVs</b>					
Element Type	County	Route	Post Mile	Location	Status
CCTV	FRE	180	64.16	FOWLER AVE	Existing
CCTV	FRE	180	65.54	TEMPERANCE AVE	Existing
CCTV	FRE	180	56.45	AT ROUTE 99	Existing
CCTV	FRE	180	58.66	AT ROUTE 41 WO	Existing
CCTV	FRE	180	58.73	AT ROUTE 41 EO	Existing
<b>PROPOSED CCTVs</b>					
Element Type	County	Route	Post Mile	Location	Status
CCTV	FRE	180	9.00	RTE 5	Proposed
CCTV	FRE	180	55.39	HUGHES DIAGONAL	Proposed
CCTV	FRE	180	56.31	WB ONR FR SB RTE 99	Proposed
CCTV	FRE	180	59.30	RTE 168	Proposed
CCTV	FRE	180	60.39	MAPLE AVE	Proposed
CCTV	FRE	180	61.01	CHESTNUT AVE	Proposed
CCTV	FRE	180	61.98	PEACH AVE	Proposed
CCTV	FRE	180	57.29	FULTON ST	Proposed

### **Changeable Message Sign Locations**

Existing and Proposed  
Status December 2003

<b>EXISTING CHANGEABLE MESSAGE SIGNS</b>					
Element Type	County	Route	Post Mile	Location	Status
CMS	FRE	180	57.38	FULTON/VAN NESS	Existing
CMS	FRE	180	58.14	AT DIANA	Existing
CMS	FRE	180	59.53	AT MILLBROOK EB	Existing
CMS	FRE	180	59.53	AT MILLBROOK AVE	Existing
<b>PROPOSED CHANGEABLE MESSAGE SIGNS</b>					
Element Type	County	Route	Post Mile	Location	Status
CMS	FRE	180	10.00	E OF RTE 5	Proposed
CMS	FRE	180	21.20	W OF RTE 33	Proposed
CMS	FRE	180	023.5	E OF RTE 33	Proposed
CMS	FRE	180	42.39	W OF RTE 145	Proposed
CMS	FRE	180	42.86	E OF RTE 145	Proposed
CMS	FRE	180	49.60	W OF RTE 99	Proposed
CMS	FRE	180	62.81	E OF PEACH	Proposed
CMS	FRE	180	54.60	1.5 MI W OF RTE 99	Proposed

**Highway Advisory Radios**

Existing and Proposed  
Status December 2003

<b>EXISTING HIGHWAY ADVISORY RADIOS</b>					
Element Type	County	Route	Post Mile	Location	Status
HAR	FRE	180	63.45	At Clovis Avenue	Existing

<b>PROPOSED HIGHWAY ADVISORY RADIOS</b>					
Element Type	County	Route	Post Mile	Location	Status
HAR	FRE	180	83.88	At Cove Road	Proposed

**Vehicle Detection Station**

Existing and Proposed  
Status December 2003

<b>FRESNO COUNTY ROUTE 180</b>					
County	Route	Post Mile	Location	Direction	Status
FRE	180	63.45	E of Clovis/Kings Canyon	EB/WB	Existing
FRE	180	New Align.	W of Chestnut	EB/WB	Proposed
FRE	180	New Align.	E of Chestnut	EB/WB	Proposed
FRE	180	New Align.	W of Clovis	EB/WB	Proposed
FRE	180	New Align.	E of Clovis	EB/WB	Proposed
FRE	180	New Align.	E of Fowler	EB/WB	Proposed
FRE	180	New Align.	E of Temperance	EB/WB	Proposed

**Weather Stations**

Proposed  
Status December 2003

<b>PROPOSED WEATHER STATIONS</b>					
Element Type	County	Route	Post Mile	Location	Status
WS	FRE	180	24.70	MENDOTA Maintenance Station	Proposed
WS	FRE	180	83.88	AT COVE ROAD	Proposed
WS	FRE	180	116.85	AT HUME ROAD	Proposed

**SR 180 Transit Services  
Fresno and Tulare Counties  
August 2004**

<b>Segment PM/KP From/To</b>	<b>Transit Services</b>
1 – 2 PM 0.00/23.50 KP 0.00/37.82 San Benito County Line (Unconstructed) to Route 33 (Unconstructed)	N/A
3 – 10 PM 23.50/R56.20 KP 37.82/90.45 Route 33 to 0.2 Miles West of Route 99	Scheduled multiple round trip inter-city service through Firebaugh, Mendota, and Kerman to the Fresno-Clovis Metropolitan Area. Service is provided on Westside Transit, Monday through Friday. Limited inter-regional service is provided daily on Greyhound to these communities. In addition, numerous tourists' buses take State Route 180 to the national parks.
11 R56.20/R58.4 KP 90.45/93.99 West of Route 99 to 0.4 Miles West of Route 41	Fresno Area Express (FAX) travels from Valley Medical Center (south) to California State University (north) and back. FAX travels on several local streets as well as on portions of State Routes 180 and 41. In addition, numerous tourists' buses take State Route 180 to the national parks.
12 R58.40/R61.44 KP 93.99/98.88 0.4 Miles West of Route 41 to Chestnut Avenue	There are no transit services on this segment of Route 180. However, numerous tourists' buses take State Route 180 to the national parks.
13 R61.44/63.45 KP 98.88/102.11 Chestnut Avenue to Clovis Avenue	Fresno Area Express (FAX) travels from Phillip Avenue (east) on State Route 180 via Clovis Avenue and Tulare Street to Downtown Fresno (west) and the Fig Garden Library (Northwest), and back. From Fresno Yosemite International Airport, FAX also travels south on Peach Avenue and east through a short section of State Route 180 (Peach and Willow Avenues) before connecting with Butler Avenue (south) on route to Downtown Fresno (west), and Kaiser Hospital (north), and back (FAX System Map, 2000). In addition, numerous tourists' buses take State Route 180 to the national parks.
14 63.45/65.55 KP 102.11/105.49 Clovis Avenue to Temperance Avenue	Fresno Area Express (FAX) travels from Phillip Avenue (east) on State Route 180 via Clovis Avenue and Tulare Street to Downtown Fresno (west) and the Fig Garden Library (Northwest), and back. In addition, numerous tourists' buses take State Route 180 to the national parks.
15 – 23 65.55/137.90 KP 105.49/221.93 Temperance Avenue to Deer Cove Creek	The Sanger Transit provides scheduled, fixed route service to the community and a demand responsive service for the elderly and disabled passengers of Sanger. In addition, the Orange Cove Transit provides a demand responsive service to its residents as well as scheduled, multiple round-trip, inter-city service to Fresno-Clovis Metropolitan Area, Sanger, Parlier, Reedley, and Orange Cove. Also, numerous tourists' buses take State Route 180 to the national parks.

## **SR 180 Bicycle Facilities Fresno and Tulare Counties August 2004**

At the present time there are no designated Class One (bicycle paths), Class Two (bicycle lanes) or Class Three (bicycle routes) bicycle facilities located on any of Route 180's 23 highway segments. Currently, all "rural" segments east and west of Fresno are open to bicycle travel under a non-designated "share-the-road" basis. However, from east of Mendota (PM 24.58) to the Southern Pacific Railroad crossing (PM 27.08) the road lacks shoulders and as such is not recommended for bicycling. East of this point, through Kerman, and on to the newly completed Hughes/West Diagonal (PM 55.50), the highway has wide shoulders and is considered "bicycle friendly".

Within metropolitan Fresno, all existing, or soon-to-be-built freeway segments, are or will be closed to bicycle travel. An alternate route exists for these segments following the former SR 180 alignment through Fresno (i.e. Whitesbridge Ave., a combination of "A" and "B" Streets in West Fresno, Ventura St. and Kings Canyon Blvd.). East of Locan Ave. (PM 66.03), all segments are officially open to bicycle travels although each segment contains gaps where bikeable shoulders are not available. As such these segments are not currently recommended for riding.

Future plans call for major changes to this scenario. Within Fresno County's recently completed "Regional Transportation Plan – 2001", the entire length of SR 180, with the exception of Segments 21 (the small segment within Tulare County) and Segments 22 and 23 (the two segments located beyond Sequoia National Park's Grant Grove north entrance), has been designated as a "Planned Bikeway". Once improved to current AASHTO standards (i.e. 12-foot roadways plus 8-12 foot shoulders) these segments will offer excellent opportunity for bicycling. Following completion of these improvements, State Route 180 will become "the" major link to nine Fresno County bikeways planned for the Sierra foothill area. The area or destination is strongly favored for riding by recreational and visiting cyclist.

Lastly, the area's two mass transit agencies, the Fresno County Rural Transit Agency (FCRTA) and the Fresno Area Express (FAX), encourage commuter bicycle usage via the placement of bicycle racks on their buses. FCRTA, in particular, encourages "country-to-city-to-country" commuter ridership along State Route 180 corridor with bicycles being a large part of their overall equation.